Figure 1

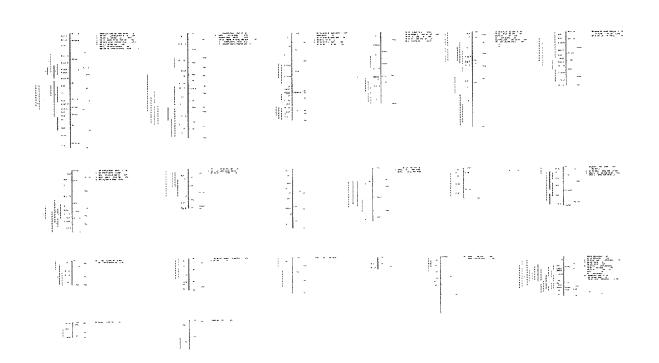
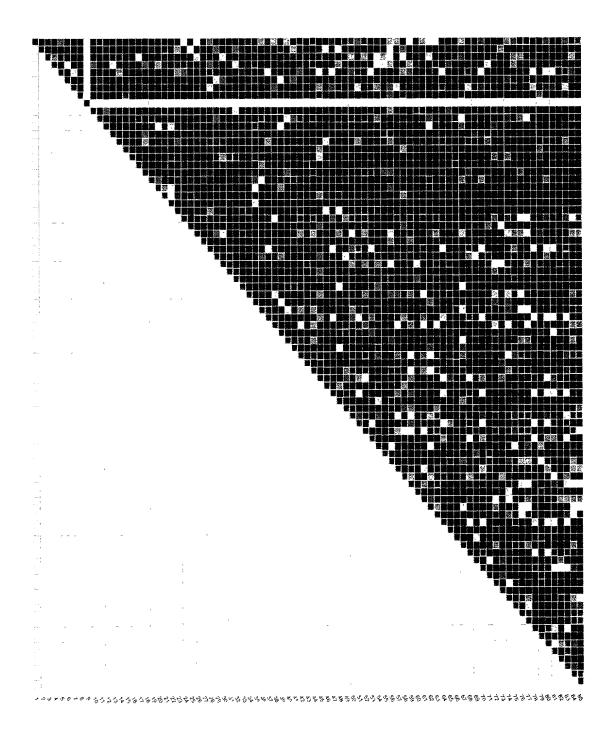


Figure 2: Colorization of a random correlation matrix for BN



NA



Figure 3: Functionally clustered physiological profile

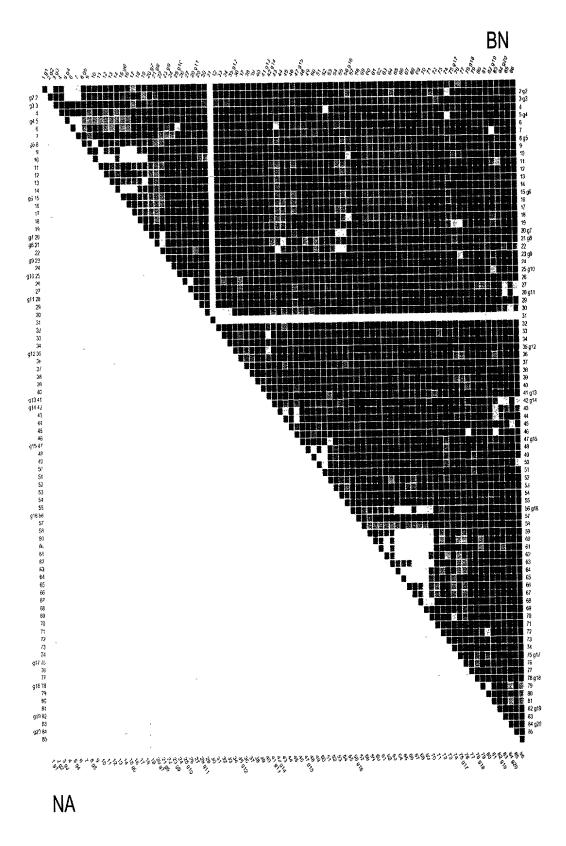


Figure 4: Composite matrices of two physiological profiles generated by functional clustering and algorithm-based clustering

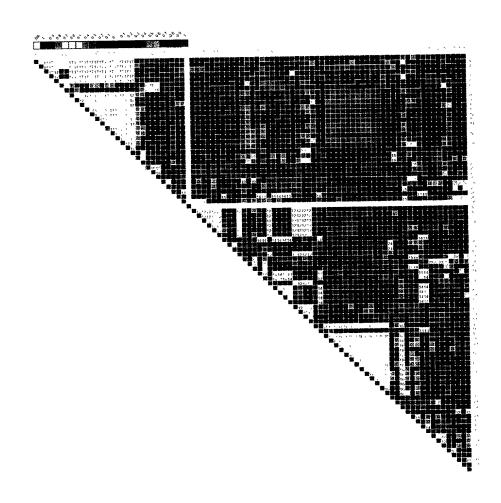


Figure 5: Physiological Profiling of autoregulation of blood flow in the SS and BN rat.

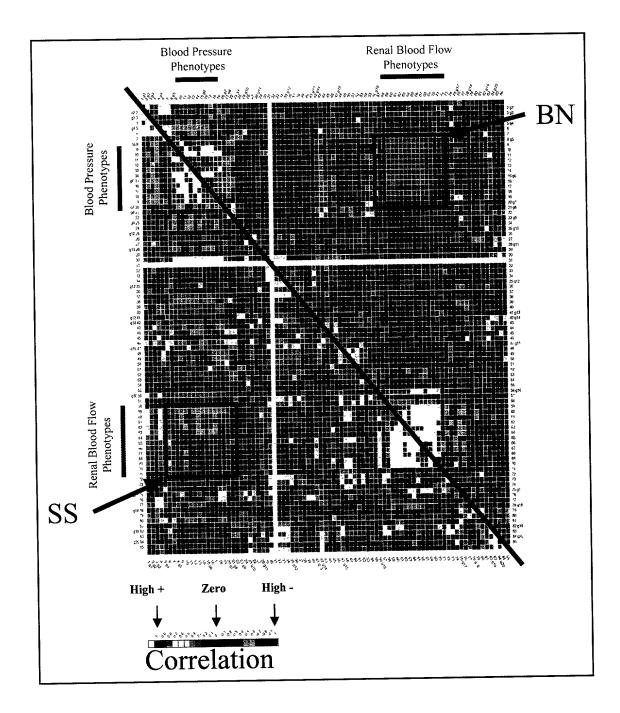
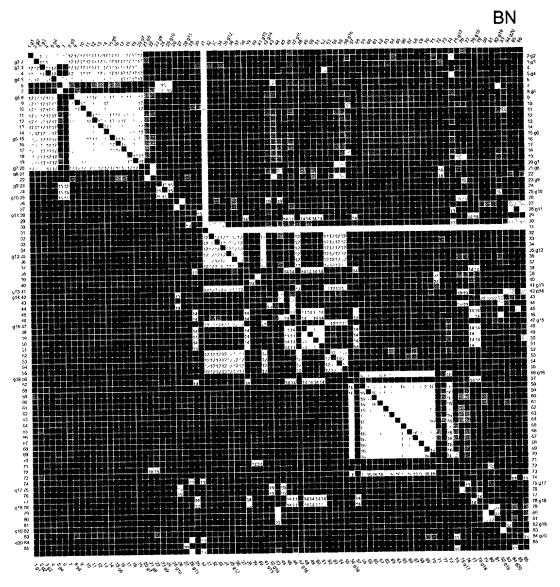
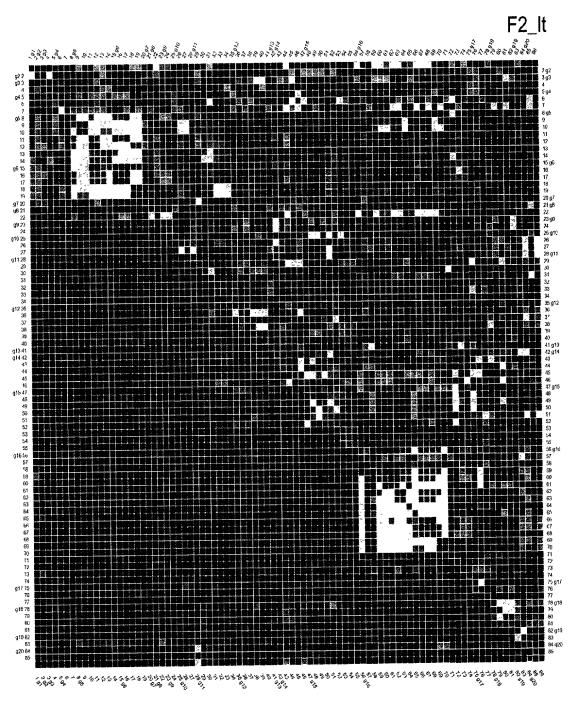


Figure 6: Composite profiles of parental BN and F2 progeny rats generated by overlaying functionally clustered correlation matrices with algorithm clustered correlation matrices



F2_all

Figure 7A: Physiological profiles of the entire F2 population and the F2 progeny population that fall in the left 10 % of a distribution after a salt challenge



F2_all

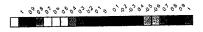
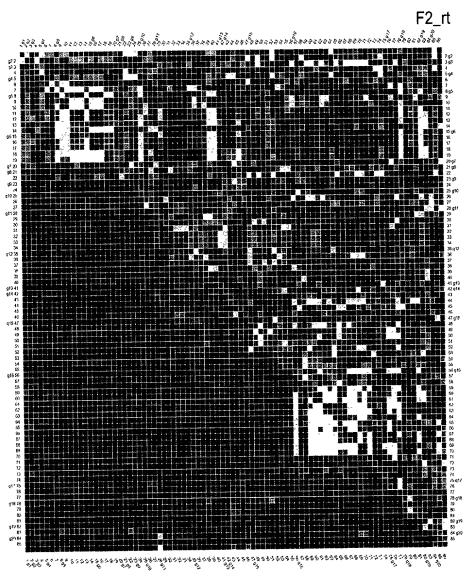


Figure 7B: Physiological profiles of the entire F2 population and the F2 progeny population that fall in the right 10~% of a distribution after a salt challenge

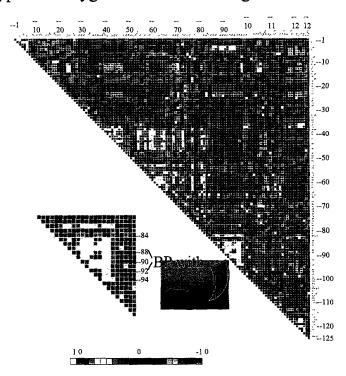


F2_all



Figure 8A

F2 male genotype homozygote SS/SS at D10Mgh14 marker on chr 10



F2 male genotype homozygote BN/BN at D10Mgh14 marker on chr 10

Figure 8B

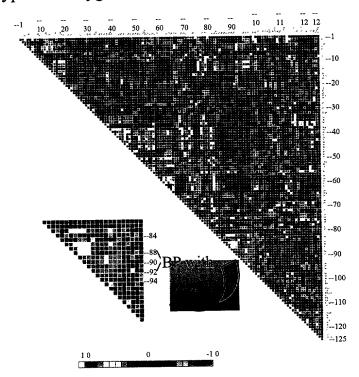


Figure 9

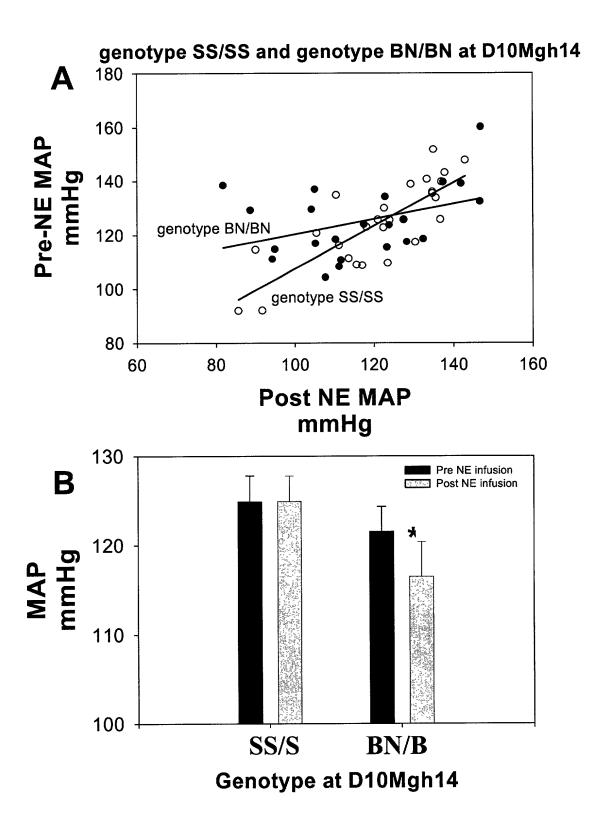


Figure 10: physiological profiles of French Canadian and African American hypertensive patients

